

ATTACHMENT D

Amendments to the Drawings

The attached Replacement sheets of drawings includes the following changes:

In Figure 1, one of the formerly unnumbered fans is now identified as "32" to be consistent with Figure 2;

In Figure 2, the leadline for element 28 has been corrected; and

In Figure 4A, a "further component 71" is now indicated schematically.

The Replacement sheets replace the original or previously filed corresponding sheets having the same figures.



ATTACHMENT A

REMARKS

Considering the matters raised in the Office Action in the same order as raised, the drawings have been objected to under 35 CFR 1.83(a) because the "drawings must show every feature of the invention specified in the claims." In particular, the Examiner has stated that "'an isolation assembly,' 'an alternate passage,' and a 'second fan' in claims 1 and 34 must be shown or the feature(s) canceled from the claim(s)." These issues are individually discussed below and, as discussed, no further illustration in the drawings is believed to be necessary.

First, with respect to the "isolation assembly," this corresponds to, for example, the cooling assembly 60 shown in Figure 4A. (It is noted that although here, and in the discussion below, reference will be made to Figure 4A, the discussion also applies to the other embodiments.) As disclosed in the specification in connection with Figure 4A, the cooling system serves to "generally isolate heat from CPU module 76 with attached heat sink 78 from any other components ... that are on board 80" and thus functions as an isolation assembly. Moreover, the term "isolation assembly" was used in the original claims. The specification has been amended and corresponding terminology is now used in the specification, in order to eliminate any ambiguity in this regard. In any event, it is respectfully submitted that the isolation assembly is, in fact, shown in the drawings.

With respect to the phrase "an alternate passage," the claims have been amended to use different terminology ("a further passage"). Moreover, referring to Figure 4A, one passage is defined at least in part within isolation (cooling) assembly 60 while a further passage is the air passage defined outside of the assembly 60. This is also shown in Figure 4A and is now described in the specification as amended. In this regard, Figure 4A has been amended to show a further component 71 which corresponds to the language "any other components" included in the sentence in the original specification quoted above, wherein the isolation assembly 60 is described as serving to "generally isolate heat generated from the CPU module with the attached heat sink 78 from any other components, indicated by component 71, that are mounted on board 80" (as now amended). Further, the specification has been amended to

explain what is described in connection with Figure 4A as a "second passage" in the specification (corresponding to the first passage of the claims). In particular, the specification has been amended to specify that the second passage is "referred to as a second passage because another passage is defined outside of the isolation assembly 60 through which air is, e.g., drawn into the computer case (not shown) by a fan such as one or more of the unnumbered fans of Figure 1."

Regarding the recitation "a second fan," as indicated above, the second fan is, for example, one of the unnumbered fans shown in Figure 1 that creates the airflow outside of the isolation assembly.

In conclusion regarding the features that require illustration, it is respectfully submitted that, for the reasons set forth above, the three features in question are actually illustrated in the drawings. However, as indicated above, the drawings have been amended to include a "further component 71" which is now claimed in claims 1 and 34, as discussed in more detail below.

Regarding the other issues raised by the Examiner with respect to the drawings, it is argued that "it is also unclear what is the relationship of wall 23 and wall 24, the relationship of computer case wall 20 and cooling assembly 12, the relationship of computer case wall 22 and cooling assembly 12, and which wall is designated by 28." In brief, as shown in Figure 1, wall 23 is a wall of the computer case that is located outside of wall 24 which is a wall of the cooling assembly 12. Walls 20 and 22 of the computer case form the missing walls of the computer assembly shown in Figure 2, i.e., Figure 2 shows top and bottom walls 26 and 30, end wall 24 and one side wall 28, and walls 20 and 22 serve to complete the enclosure of cooling assembly 12. The confusion with respect to wall 28 is understandable; the lead line for wall 28 was incorrectly drawn in Figure 2, and this has been corrected in the substitute drawings submitted herewith.

Regarding the substitute or replacement drawings, as indicated above, corrected drawings are submitted which address the issues discussed above and, in particular, Figure 4A has been amended to show the "further component 71," Figure 2 has been amended to correct the leadline for element 28, and Figure 1 has been amended to identify fan 32 therein, so as to clarify the relationship between Figure 1 and Figure 2 (which also shows fan 32).

The specification has been objected to "as failing to provide proper antecedent basis for the claimed subject matter." This objection concerns the same features discussed above and, as discussed hereinbefore, the specification has been amended to provide clear antecedent basis for the claimed subject matter. These amendments are fully supported by the original specification and there has been no introduction of so-called "new matter."

Claims 1, 3-6, 32-34, 36-38, 40-41 and 44-51 have been rejected under 35 USC 102(e) as being "anticipated by Behl" while claims 42 and 43 have been rejected under 35 USC 103(a) as being "unpatentable over" Behl in view of Papa et al ("Papa"). These rejections are respectfully traversed, particularly as applied to the claims now presented.

Claims 1 and 34 recite, inter alia, that the first component mounted on the at least circuit board is enclosed within the isolation assembly, the isolation assembly contains at least part of the first passage, and that there is a further passage configured to provide air flow past the further component mounted on the at least on board outside of the isolation assembly.

It is respectfully submitted that these features are not disclosed by the Behl patent. Regarding the recitation of "at least one board," the Examiner contends that this is "shown in fig. 9, with a connector attached on, not labeled." It is respectfully submitted that this contention is not well taken. It is respectfully submitted that the "board" shown in Figure 9 is simply the bottom of the frame or drawer including handle 140. Moreover, this frame member clearly does not have mounted thereon a first component enclosed within an isolation assembly and a further component mounted thereon wherein a further passage is configured to provide air flow past the further component outside of the isolation assembly. Thus, it is respectfully submitted that claims 1 and 34 are patentable over the Behl reference for at least these reasons.

The Papa patent is not relied on as teaching these features, and does not disclose these features, so that claims 1 and 34 also patentably define over any fair combination of the Behl and Papa patents assuming for the sake of argument that the combination is an obvious one within the meaning of 35 USC 103(a).

With respect to the dependent claims, a number of these claims are believed to be separately patentable. In this regard, although the Examiner is correct in stating that "Applicant has not raised an argument under the heading 'Remarks' of the communication files 9/15/05," the separate patentability of some of the dependent claims is discussed in the Appeal Brief filed in the parent application as well as in the Reply Brief. For example, with respect to the rejection of claim 3, the Examiner states that the "conduit" claimed "is shown as 12 in fig. 1"; however, element 12 is a power supply, not a "conduit." Also, regarding claim 6, air is clearly drawn from outside the case in Behl, and it is respectfully submitted that the showing in Figure 1 to which the Examiner refers, does not indicate otherwise.

Allowance of the application in its present form is respectfully solicited.

END REMARKS